
SAFETY DATA SHEET

SECTION 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: Epoxy Glue (Araldite Precision Resin)
- Product Part Number: 104B
- Contains Bisphenol A-(epichlorhydrin), Epoxy Resin

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Adhesive
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Plastica Ltd
- Address of Supplier: Perimeter House
Napier Road
St Leonards-on-Sea
East Sussex
United Kingdom
TN38 9NY
- Telephone: +44 (0) 1424 857857
- Email: Info@plasticapools.com

1.4 Emergency telephone number

- Emergency Telephone: 0800 043 0892

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Skin Irrit. 2, H315, Skin Sens. 1, H317, Eye Irrit. 2, H319, Aquatic Chronic 2, H411
- Classification (67/548/EEC, 1999/45/EC) [CHIP]: Xi; R36/38, R43, N; R51/53
- Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16

2.2 Label elements



GHS07



GHS09

- Signal Word: Warning
- Symbols: GHS07, GHS09
- Hazard phrases
 - Causes skin irritation.
 - May cause an allergic skin reaction.
 - Causes serious eye irritation.
 - Toxic to aquatic life with long lasting effects.
- Precautionary Phrases
 - Avoid release to the environment.
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,

Revision: 11 Mar 2015

SECTION 2 Hazards identification (....)

if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention.
Dispose of contents/container in accordance with
local/regional/national/international regulations.

2.3 Other hazards

- No information available
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SECTION 3 Composition/information on ingredients**3.1 Substances****3.2 Mixtures**

- reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)
 - Concentration: 60-100%
 - CAS Number: 25068-38-6
 - EC Number: 500-033-5
 - Categories: Skin Irrit. 2, Skin Sens. 1, Eye Irrit. 2, Aquatic Chronic 2
 - R/H Phrases: H315,H317,H319,H411, R36/38,R43,R51/53
 - Symbols: GHS07,GHS09, Xi, N
 - epoxy resin (number average molecular weight 700-1000)
 - Concentration: 1-5%
 - CAS Number: 25036-25-3
 - EC Number: None
 - Categories: Skin Irrit. 2, Skin Sens. 1, Eye Irrit. 2
 - R/H Phrases: H315, H317, H319, R36/38, R43
 - Symbols: GH07, Xi
 - bisphenol-F-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)
 - Concentration: 5-10%
 - CAS Number: 9003-35-5
 - EC Number: 500-006-8
 - Categories: Skin Irrit. 2, Skin Sens. 1, Eye Irrit. 2, Aquatic Chronic 2
 - R/H Phrases: H315, H317, H319, H411, R36/38, R43, R51/53
 - Symbols: GHS07, GHS09, Xi, N
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SECTION 4 First aid measures**4.1 Description of first aid measures**

- Contact with skin
 - After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water
 - If skin irritation or rash occurs: Get medical advice/attention.
- Contact with eyes
 - If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
 - If eye irritation persists: Get medical advice/attention.

SECTION 4 First aid measures (....)

- Ingestion
 - Rinse mouth with water (do not swallow)
 - Do not induce vomiting
 - Get immediate medical advice/attention.
 - Inhalation
 - Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - When in doubt or symptoms persist, seek medical attention
- 4.2 Most important symptoms and effects, both acute and delayed
- Severely irritating to skin and eyes
 - May cause allergic reaction in susceptible people
- 4.3 Indication of any immediate medical attention and special treatment needed
- Treat symptomatically
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SECTION 5 Fire-fighting measures

- 5.1 Extinguishing media
- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide
- 5.2 Special hazards arising from the substance or mixture
- Gives off irritating or toxic fumes (or gases) in a fire.
 - Decomposition products may include carbon oxides
 - Decomposition products may include hydrogen chloride
- 5.3 Advice for firefighters
- Keep container(s) exposed to fire cool, by spraying with water
 - Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.
 - Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
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SECTION 6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- Avoid breathing dust/fume/gas/mist/vapours/spray.
 - Avoid contact with skin and eyes.
 - Wash thoroughly after dealing with spillage
 - Eyewash bottles should be available
- 6.2 Environmental Precautions
- Avoid release to the environment.
 - Do not allow to enter public sewers and watercourses
 - If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities
- 6.3 Methods and material for containment and cleaning up
- Absorb spillage in earth or sand
 - Remove contaminated material to safe location for subsequent disposal
 - Place in appropriate container
 - Seal containers and label them
 - Ventilate the area and wash spill site after material pick-up is complete
- 6.4 Reference to other sections
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Revision: 11 Mar 2015

SECTION 6 Accidental release measures (....)

- Wear protective clothing as per section 8
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SECTION 7 Handling and storage**7.1 Precautions for safe handling**

- Ensure adequate ventilation
- Avoid breathing vapours, mist or gas
- Do not get in eyes, on skin, or on clothing.
- Contaminated work clothing should not be allowed out of the workplace.
- Do not eat, drink or smoke when using this product.
- Eyewash bottles should be available
- Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Store away from other materials.
- Keep away from food, drink and animal feedingstuffs
- Keep container tightly closed, in a cool, well ventilated place
- Keep only in original container.
- Keep away from oxidisers, heat, flames or ignition sources
- Keep away from acids and alkalis

7.3 Specific end use(s)

- Resin
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SECTION 8 Exposure controls/personal protection**8.1 Control parameters**

- No exposure limits have been set for this product

8.2 Exposure controls

- Do not eat, drink or smoke when using this product.
- Engineering controls should be provided which maintain airborne concentrations as low as practicable
- In case of insufficient ventilation, wear suitable respiratory equipment
- Wear suitable protective clothing, including eye/face protection and gloves (nitrile are recommended)
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Wear safety glasses approved to standard EN 166.
- When handling this substance, e.g. sampling, wear goggles giving complete eye protection
- Eyewash bottles should be available



Goggles



Gloves



Respirator

SECTION 9 Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Revision: 11 Mar 2015

SECTION 9 Physical and chemical properties (....)

- Appearance: Paste
- Odour: Perceptible odour
- pH: Approx. 6
- Boiling Point/Range: >200°C
- Vapour Density: No information available
- Vapour Pressure: Vapour pressure 0.1 Pa at 20 deg C
- Melting point/Range: No information available
- Freezing point/Range: No information available.
- Viscosity: 30 - 50 Pas @ 25°C
- Flashpoint: 210°C
- Evaporation Rate: No information available
- Solubility in water: Miscible
- Solubility in Fat: No information available
- Partition Coefficient (n-Octanol/Water): No information available
- Relative Density: 1.15 - 1.25 @25°C
- Viscosity: 30 - 50 Pas @ 25°C
- Explosive Properties: No information available
- Oxidising Properties: No information available

9.2 Other information

- No information available
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SECTION 10 Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- No decomposition if stored normally.

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
- Avoid contact with acids and alkalis
- Keep away from strong oxidizing substances

10.5 Incompatible materials

- Avoid overheating

10.6 Hazardous Decomposition Products

- Decomposition products may include toxic and irritant fumes
 - Decomposition products may include carbon oxides
 - Decomposition products may include hydrogen chloride
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute Toxicity

- No experimental test data available for the mixture
- LD50 (oral,rat) (CAS 25068-38-6) 11400 mg/kg

Revision: 11 Mar 2015

SECTION 11 Toxicological information (....)

- LD50 (dermal,rabbit) (CAS 25068-38-6) >22800 mg/kg
 - LD50 (oral,rat) (CAS 9003-36-5) >2000 mg/kg
 - LD50 (dermal) : (rat) (CAS 9003-36-5) >400 mg/kg
 - Based on available data, the classification criteria are not met
 - Skin corrosion/irritation
 - Causes skin irritation.
 - Classification based on calculation and concentration thresholds
 - Serious eye damage/irritation
 - Causes serious eye irritation.
 - Classification based on calculation and concentration thresholds
 - Respiratory or skin sensitisation
 - May cause an allergic skin reaction.
 - Classification based on calculation and concentration thresholds
 - Germ cell mutagenicity
 - No information available
 - Carcinogenicity
 - No information available
 - Reproductive toxicity
 - No information available
 - Specific target organ toxicity (STOT) - single exposure
 - No information available
 - Specific target organ toxicity (STOT) - repeated exposure
 - No information available
 - Aspiration hazard
 - No information available
 - Contact with eyes
 - May cause redness and irritation
 - Contact with skin
 - Causes redness and irritation
 - May cause an allergic skin reaction.
 - May cause dermatitis
 - Inhalation
 - May cause respiratory tract irritation.
 - Ingestion
 - May cause nausea/vomiting
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SECTION 12 Ecological information

- 12.1 Ecotoxicity
 - Toxic to aquatic life with long lasting effects.
- 12.2 Persistence and degradability
 - No information available
- 12.3 Bioaccumulation Potential
 - No information available
- 12.4 Mobility in soil
 - Do not allow to penetrate the ground/soil.
- 12.5 Results of PBT and vPvB assessment
 - No information available
- 12.6 Other Adverse Effects
 - No information available

SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- To be disposed of as hazardous waste

13.2 Classification

- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.
 - The waste must be identified according to the List of Wastes (2000/532/EC)
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SECTION 14 Transport information

Dangerous Substance



ENVIRONMENTALLY HAZARDOUS

14.1 UN Number

- UN No.: 3082

14.2 UN Proper Shipping Name

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (BISPHENOL A-EPICHLORHYDRIN, BISPHENOL-F-EPICHLORHYDRIN RESIN)

14.3 Transport hazard class(es)

- Hazard Class: 9

14.4 Packing group

- Packing Group: III

14.5 Environmental hazards

- Marine pollutant

14.6 Special precautions for user

- No information available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

14.8 Road/Rail (ADR/RID)

- ADR UN No.: 3082
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (BISPHENOL A-EPICHLORHYDRIN, BISPHENOL-F-EPICHLORHYDRIN RESIN)
- ADR Hazard Class: 9
- ADR Packing Group: III
- Tunnel Code: (E)

14.9 Sea (IMDG)

- IMDG UN No.: 3082



Revision: 11 Mar 2015

SECTION 14 Transport information (....)

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (BISPHENOL A-EPICHLORHYDRIN, BISPHENOL-F-EPICHLORHYDRIN RESIN)
- IMDG Hazard Class: 9
- IMDG Pack Group.: III

14.10 Air (ICAO/IATA)

- ICAO UN No.: 3082
 - Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (BISPHENOL A-EPICHLORHYDRIN, BISPHENOL-F-EPICHLORHYDRIN RESIN)
 - ICAO Hazard Class: 9
 - ICAO Packing Group: III
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SECTION 15 Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010
- The Hazardous Waste (England and Wales) Regulations 2005 apply in the UK

15.2 Chemical Safety Assessment

- No information available
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SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H411: Toxic to aquatic life with long lasting effects. R36/38: Irritating to eyes and skin. R43: May cause sensitisation by skin contact. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of PLASTICA'S limited knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.

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